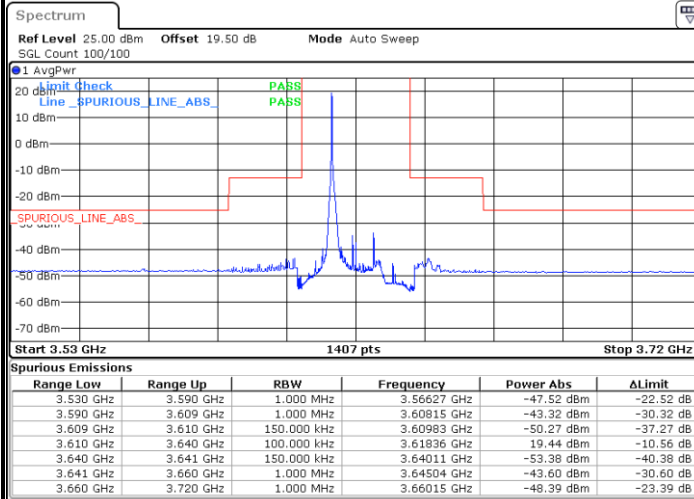




LTE Band 48 / 15MHz

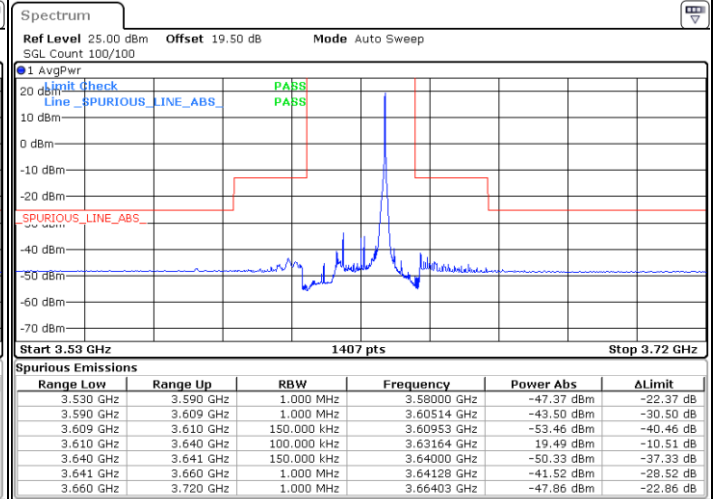
64QAM

Middle Channel / 1RB0



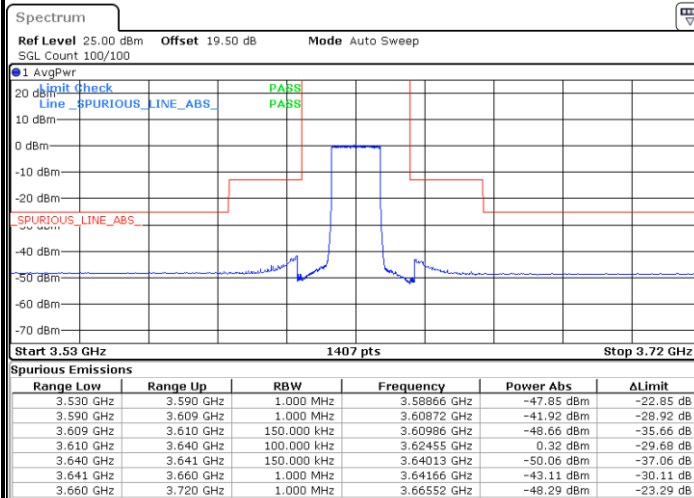
Date: 21.AUG.2024 20:01:03

Middle Channel / 1RBmax



Date: 21.AUG.2024 19:52:22

Middle Channel / FullRB



Date: 21.AUG.2024 19:50:37

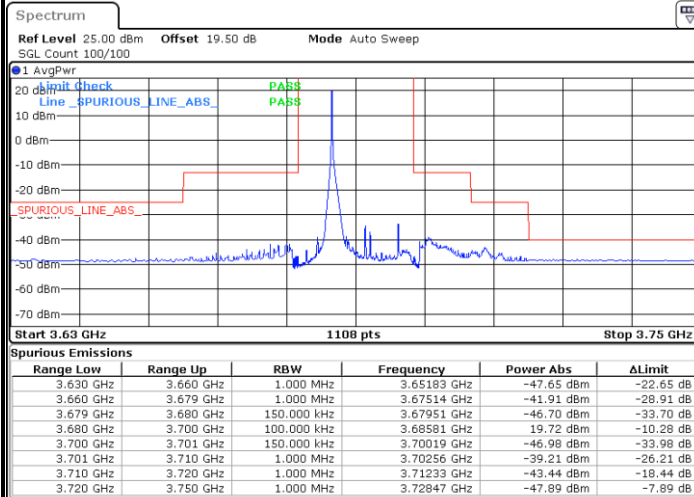
N/A



LTE Band 48 / 15MHz

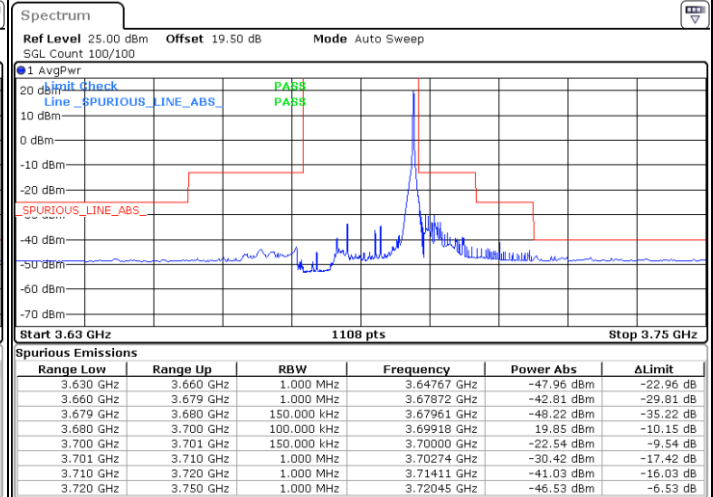
64QAM

Highest Channel / 1RB0



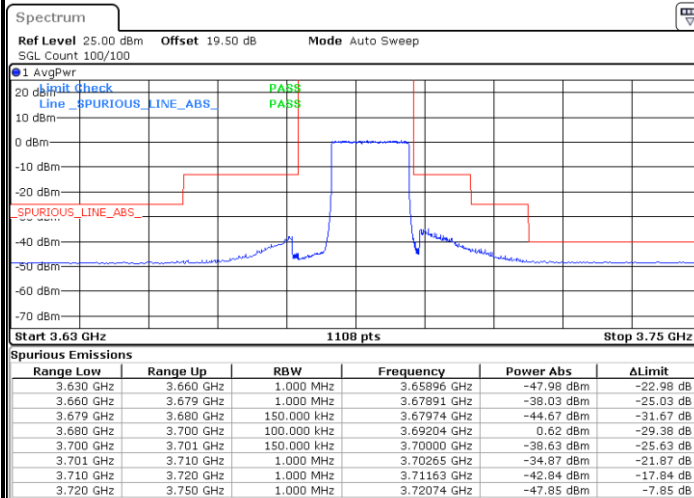
Date: 21.AUG.2024 20:02:48

Highest Channel / 1RBmax



Date: 21.AUG.2024 20:11:32

Highest Channel / FullRB



Date: 21.AUG.2024 20:13:17

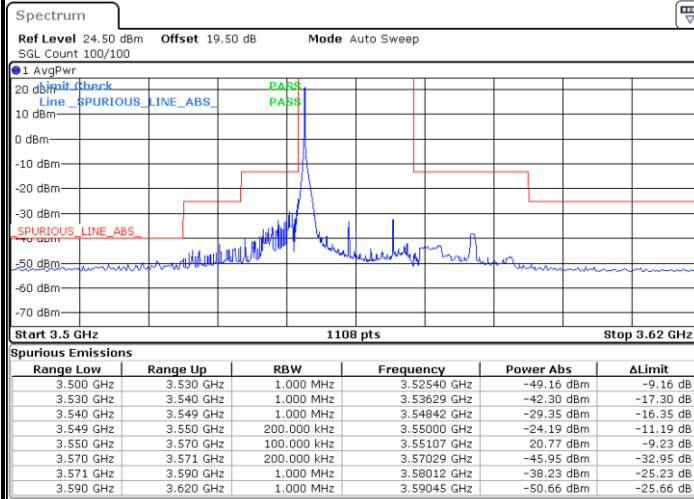
N/A



LTE Band 48 / 20MHz

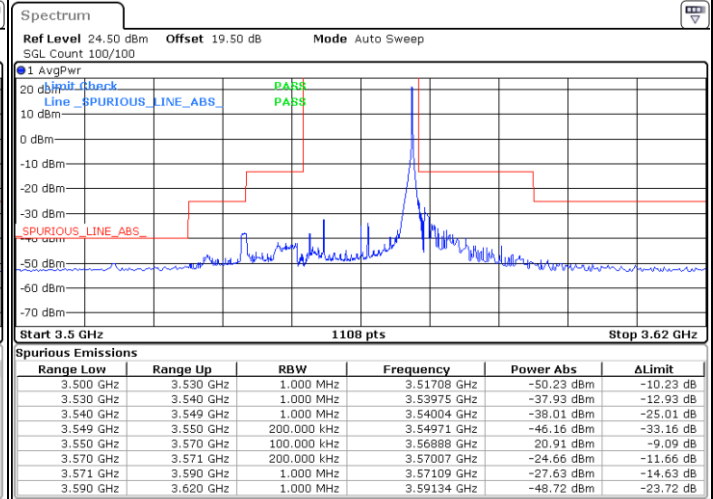
QPSK

Lowest Channel / 1RB0



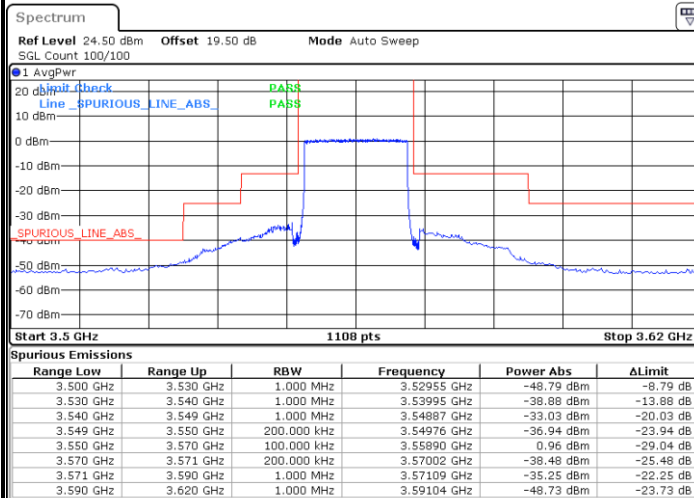
Date: 21.AUG.2024 20:19:15

Lowest Channel / 1RBmax



Date: 21.AUG.2024 20:28:01

Lowest Channel / FullIRB



Date: 21.AUG.2024 20:29:47

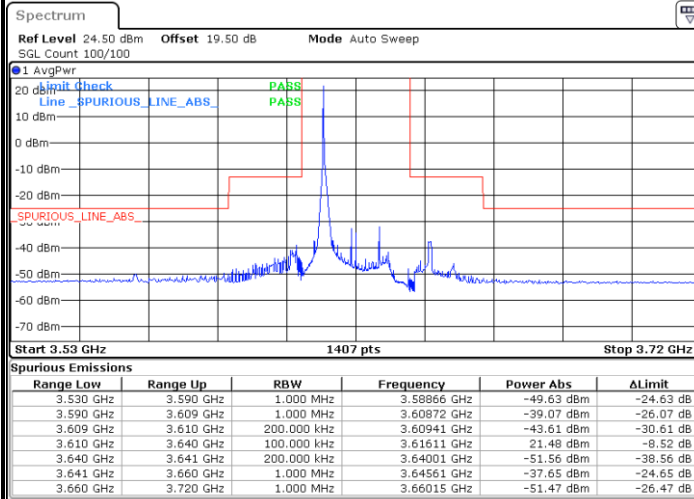
N/A



LTE Band 48 / 20MHz

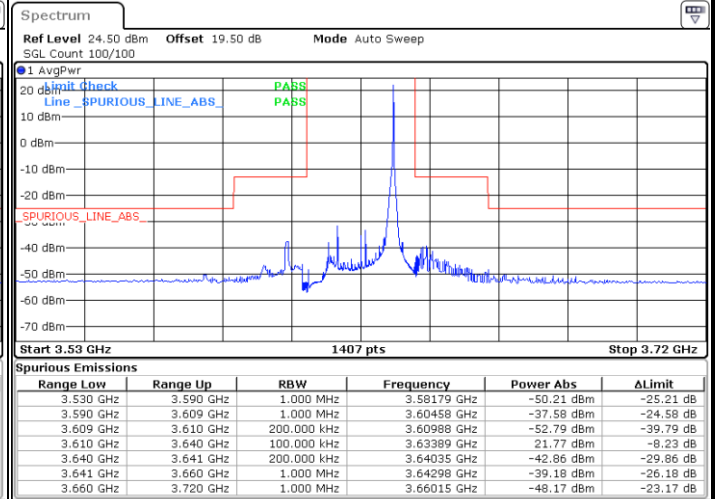
QPSK

Middle Channel / 1RB0



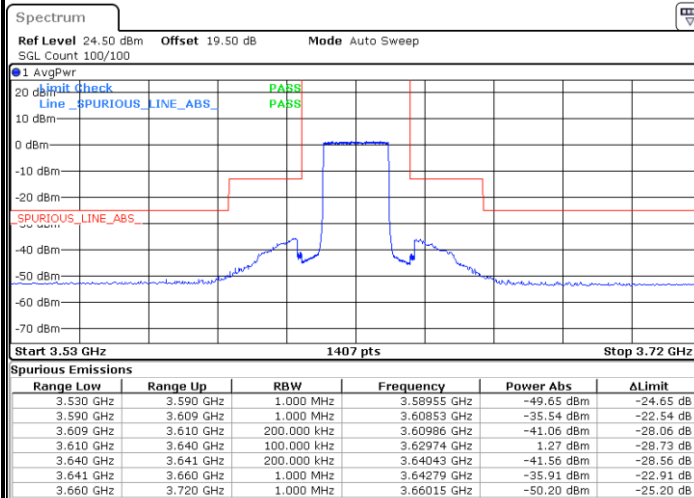
Date: 21.AUG.2024 20:48:56

Middle Channel / 1RBmax



Date: 21.AUG.2024 20:40:14

Middle Channel / FullIRB



Date: 21.AUG.2024 20:38:30

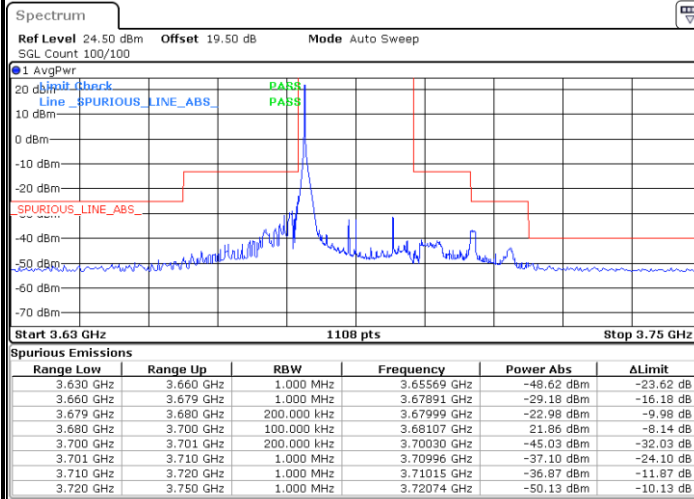
N/A



LTE Band 48 / 20MHz

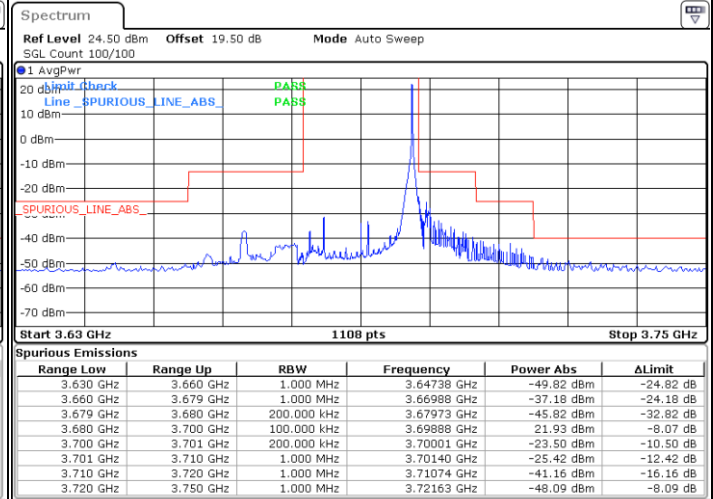
QPSK

Highest Channel / 1RB0



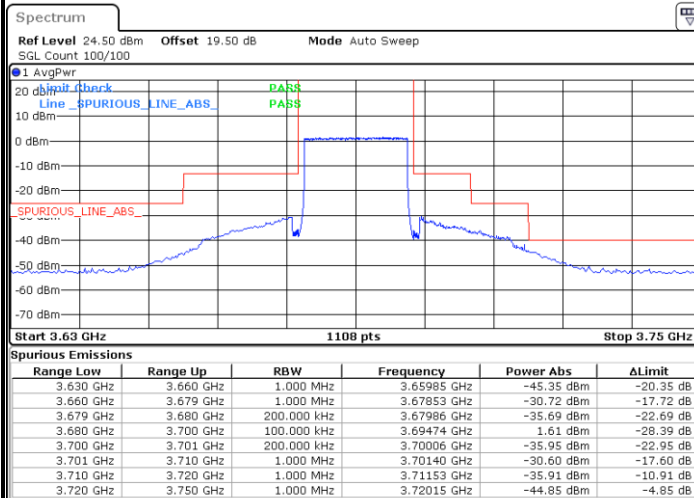
Date: 21.AUG.2024 20:52:01

Highest Channel / 1RBmax



Date: 21.AUG.2024 21:00:45

Highest Channel / FullRB



Date: 21.AUG.2024 21:02:30

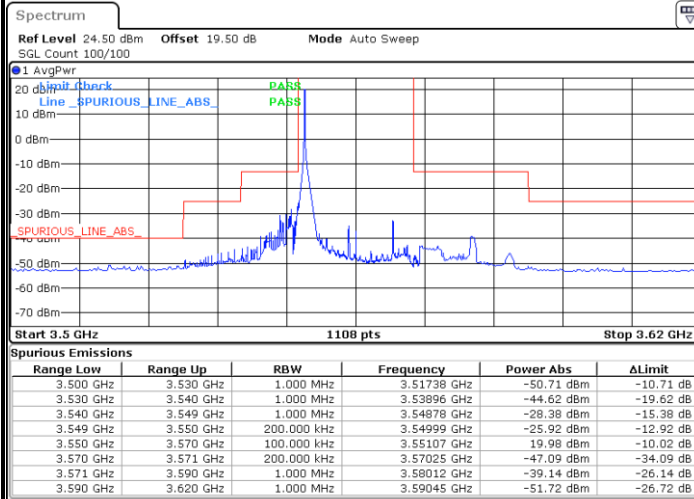
N/A



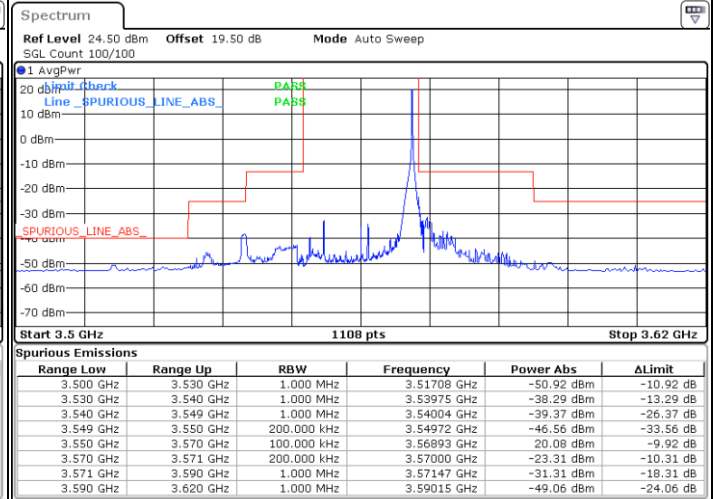
LTE Band 48 / 20MHz

16QAM

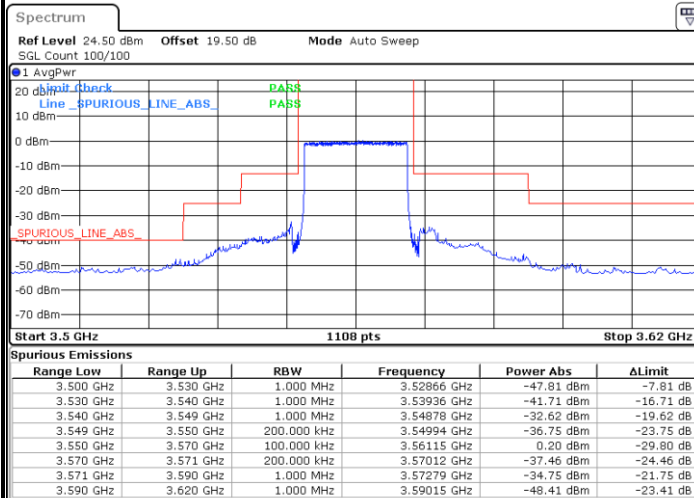
Lowest Channel / 1RB0



Lowest Channel / 1RBmax



Lowest Channel / FullIRB



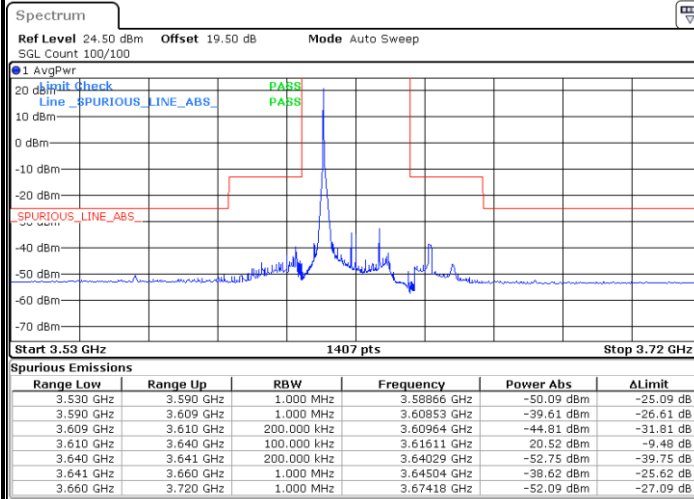
N/A



LTE Band 48 / 20MHz

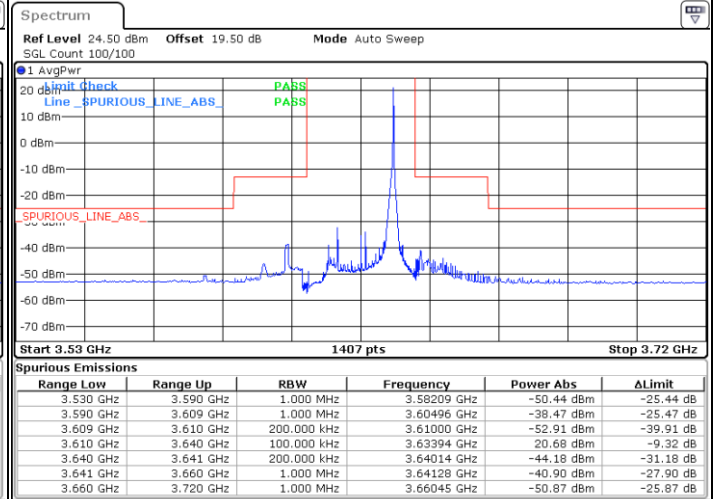
16QAM

Middle Channel / 1RB0



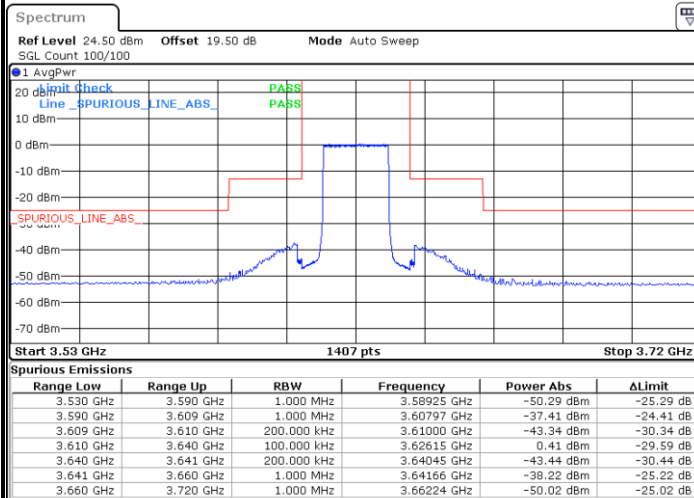
Date: 21.AUG.2024 20:47:12

Middle Channel / 1RBmax



Date: 21.AUG.2024 20:41:59

Middle Channel / FullIRB



Date: 21.AUG.2024 20:36:46

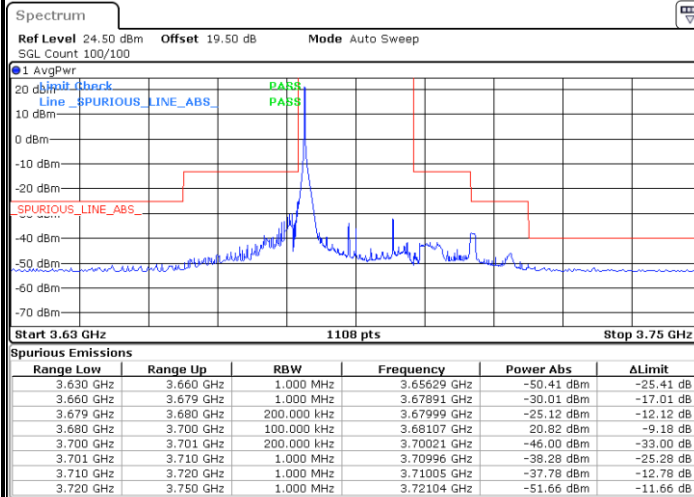
N/A



LTE Band 48 / 20MHz

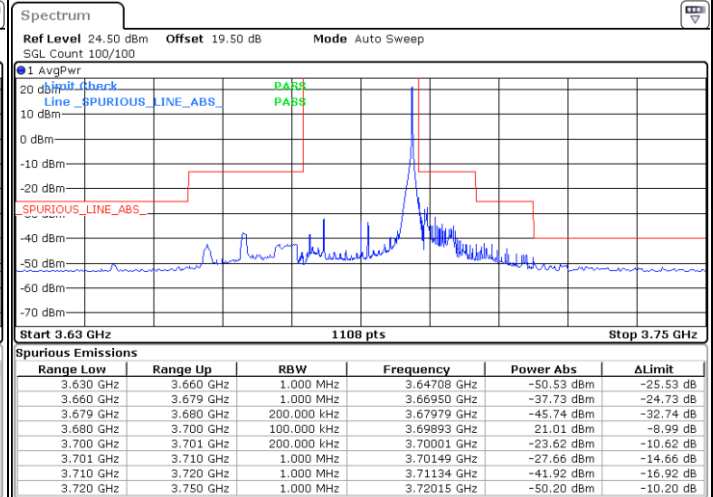
16QAM

Highest Channel / 1RB0



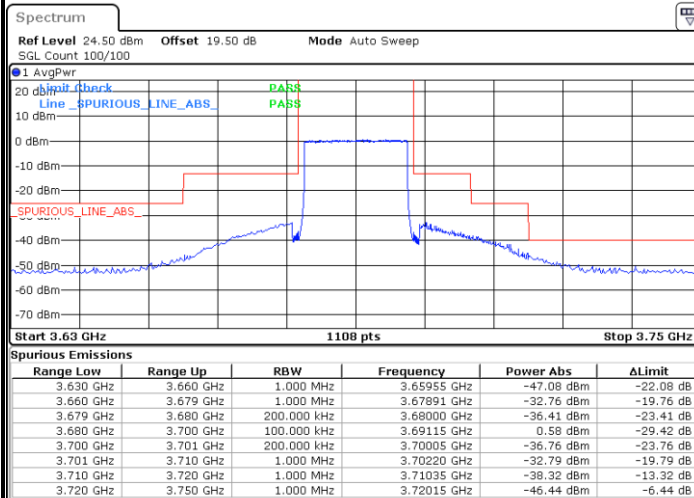
Date: 21.AUG.2024 20:53:45

Highest Channel / 1RBmax



Date: 21.AUG.2024 20:59:00

Highest Channel / FullRB



Date: 21.AUG.2024 21:04:14

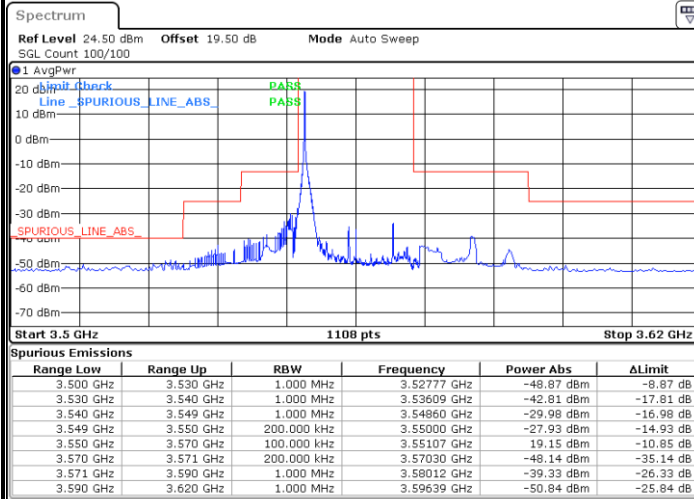
N/A



LTE Band 48 / 20MHz

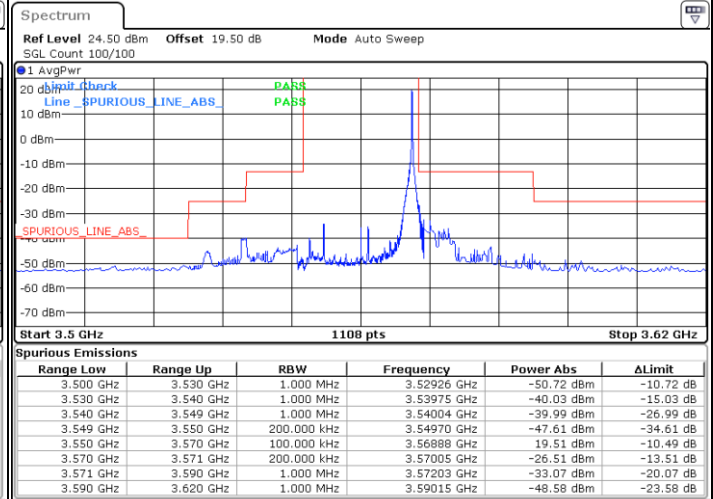
64QAM

Lowest Channel / 1RB0



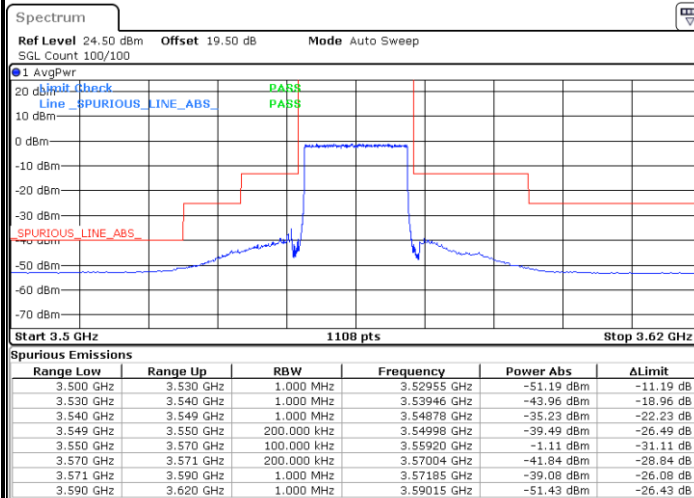
Date: 21.AUG.2024 20:22:45

Lowest Channel / 1RBmax



Date: 21.AUG.2024 20:24:31

Lowest Channel / FullIRB



Date: 21.AUG.2024 20:33:17

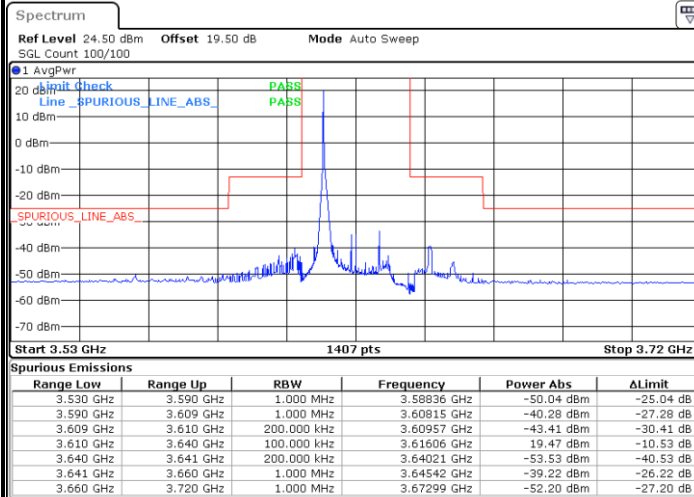
N/A



LTE Band 48 / 20MHz

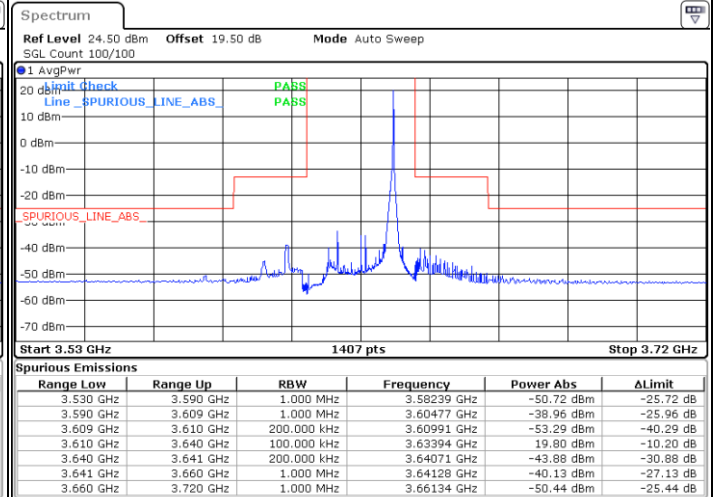
64QAM

Middle Channel / 1RB0



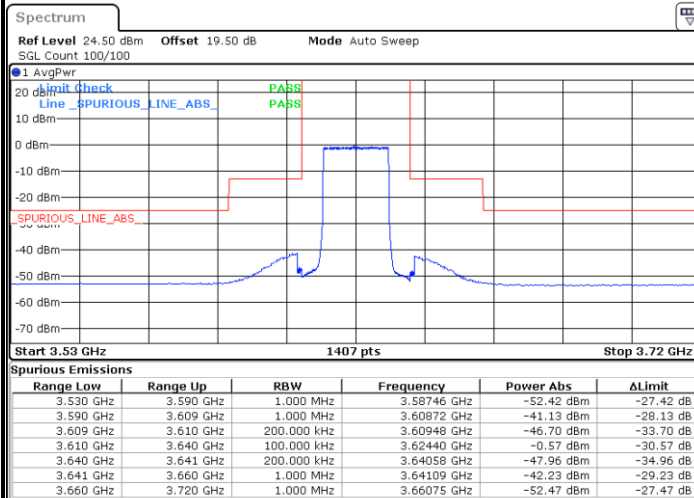
Date: 21.AUG.2024 20:45:27

Middle Channel / 1RBmax



Date: 21.AUG.2024 20:43:43

Middle Channel / FullRB



Date: 21.AUG.2024 20:35:01

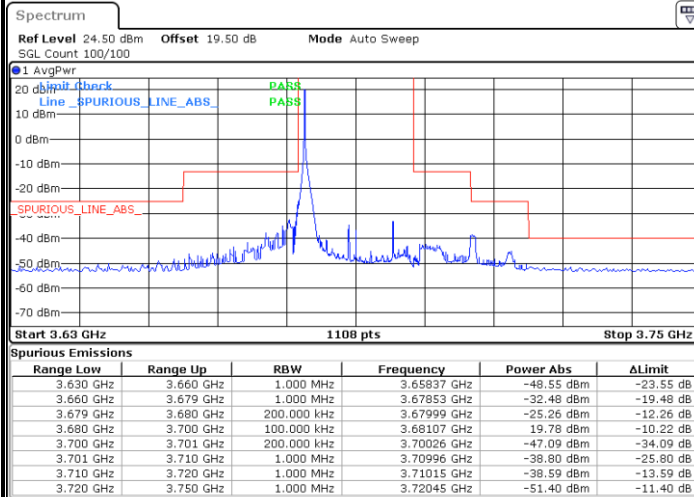
N/A



LTE Band 48 / 20MHz

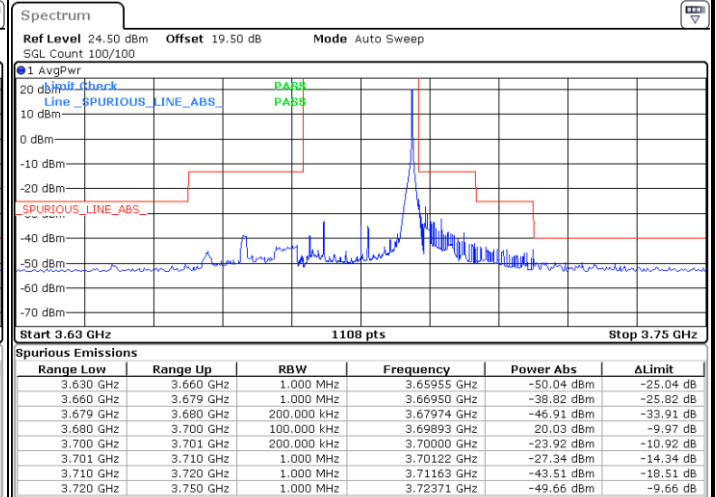
64QAM

Highest Channel / 1RB0



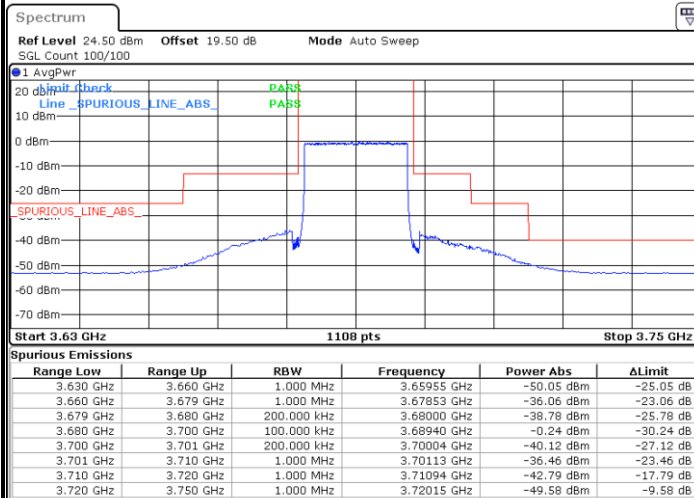
Date: 21.AUG.2024 20:55:30

Highest Channel / 1RBmax



Date: 21.AUG.2024 20:57:15

Highest Channel / FullRB



Date: 21.AUG.2024 21:05:59

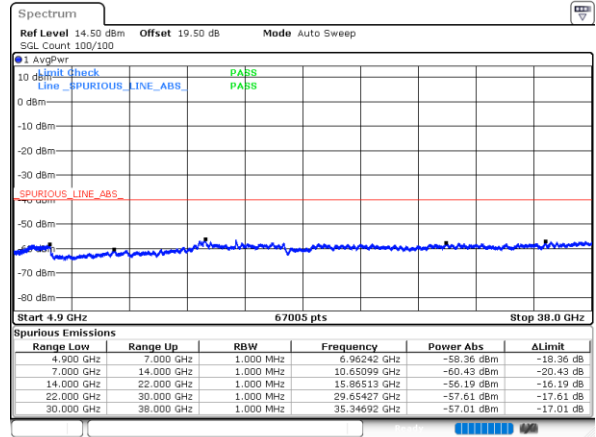
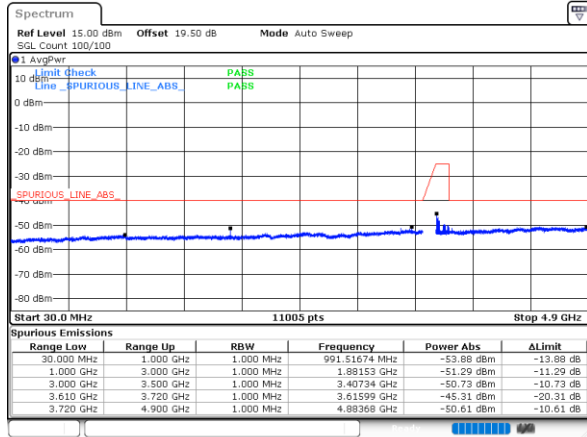
N/A



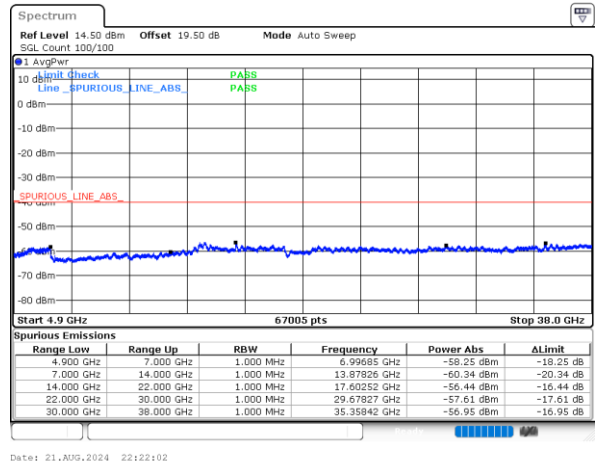
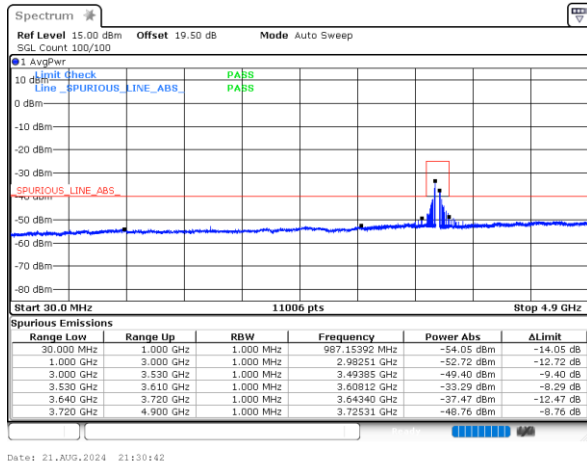
Conducted Spurious Emission

LTE Band 48 / 5MHz

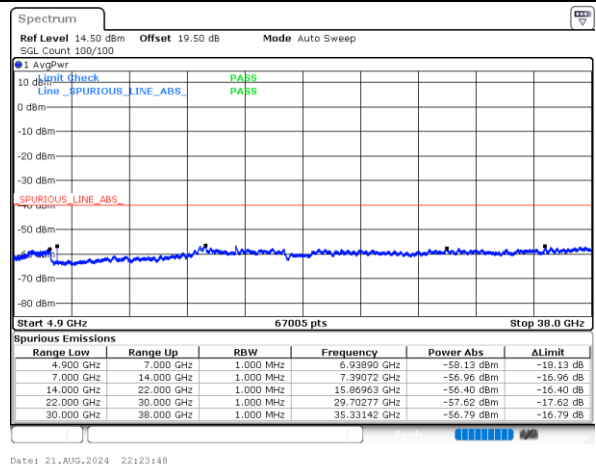
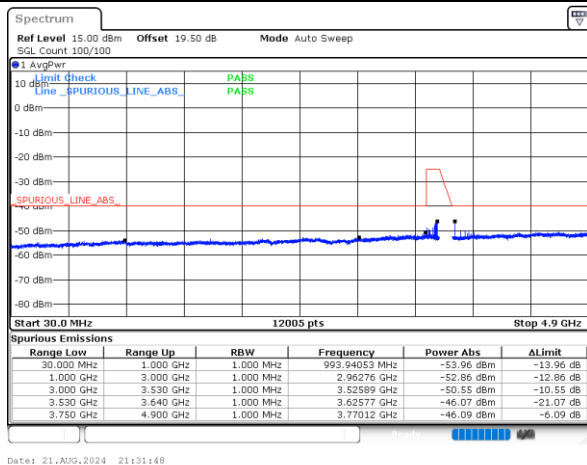
Lowest Channel / QPSK



Middle Channel / QPSK



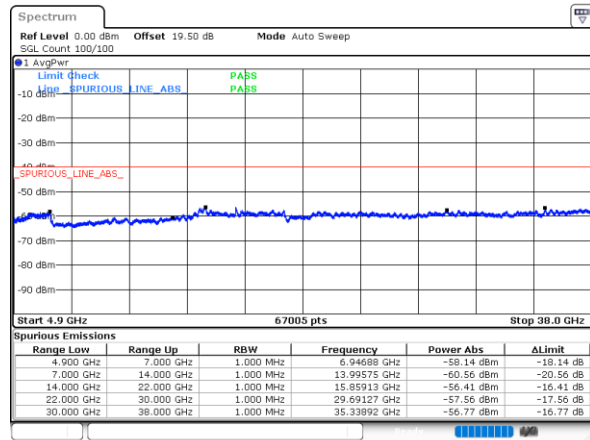
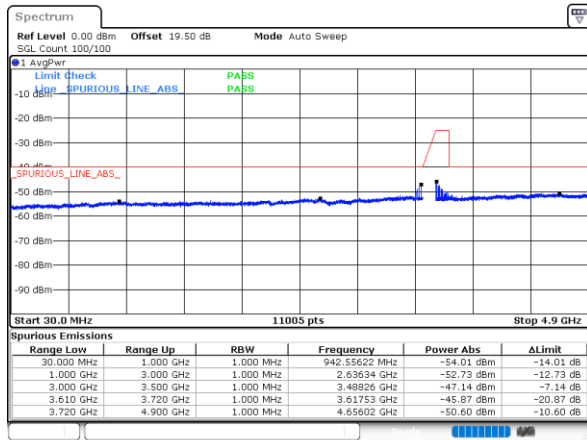
Highest Channel / QPSK



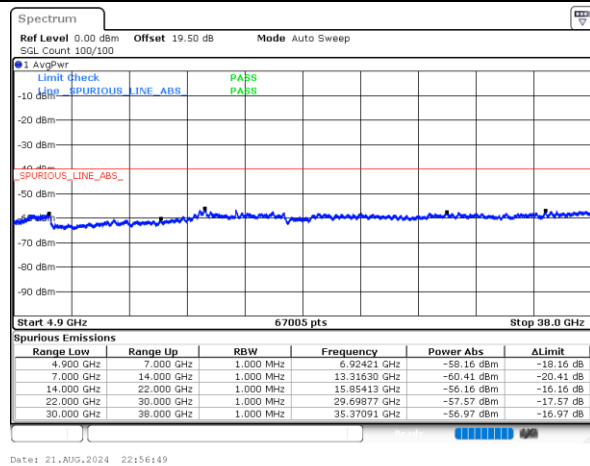
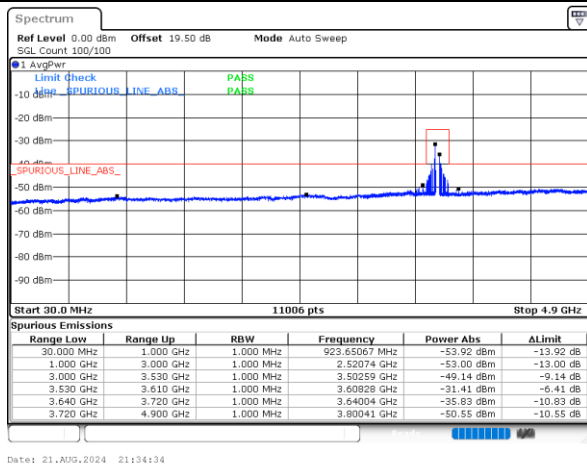


LTE Band 48 / 10MHz

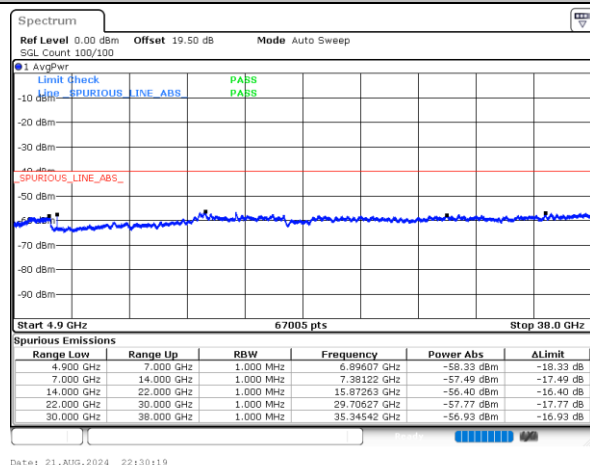
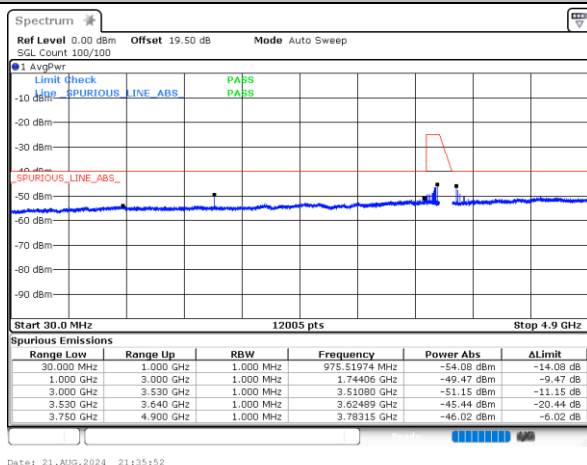
Lowest Channel / QPSK



Middle Channel / QPSK



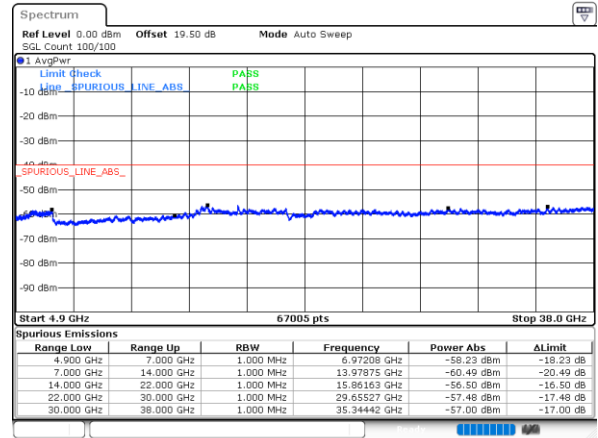
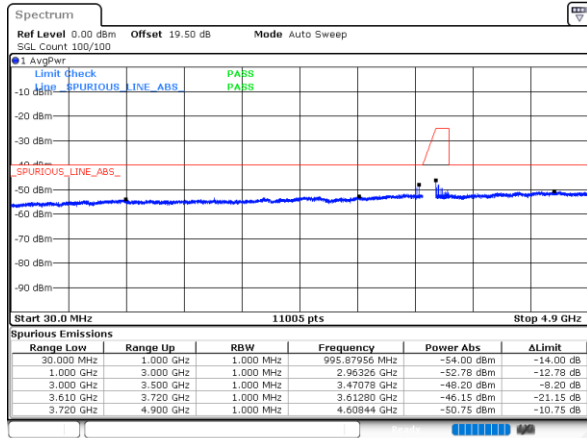
Highest Channel / QPSK



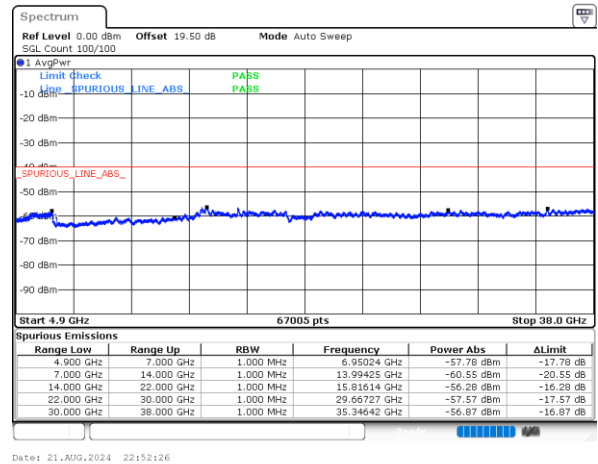
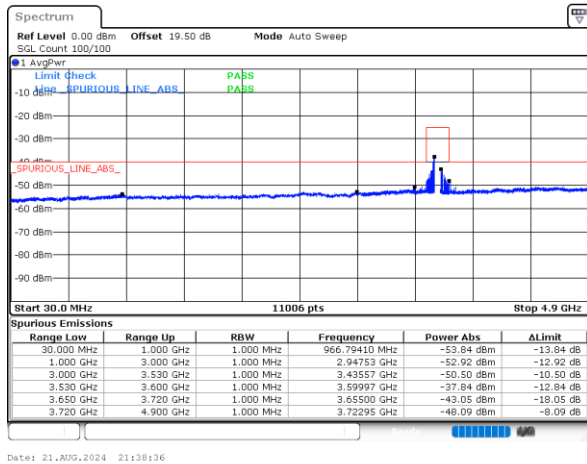


LTE Band 48 / 15MHz

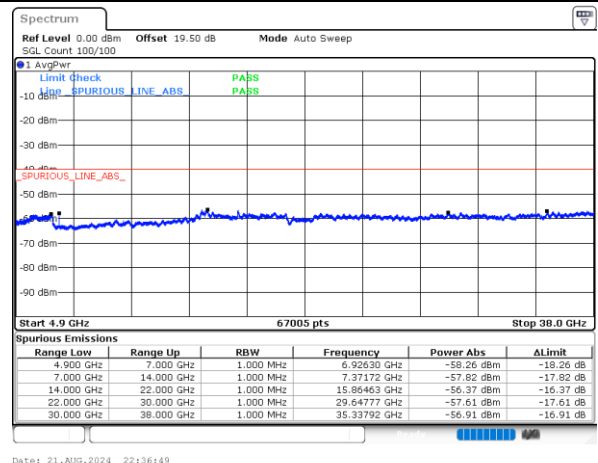
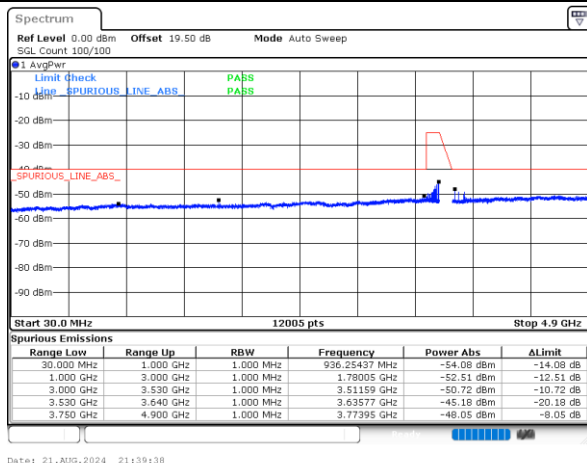
Lowest Channel / QPSK



Middle Channel / QPSK



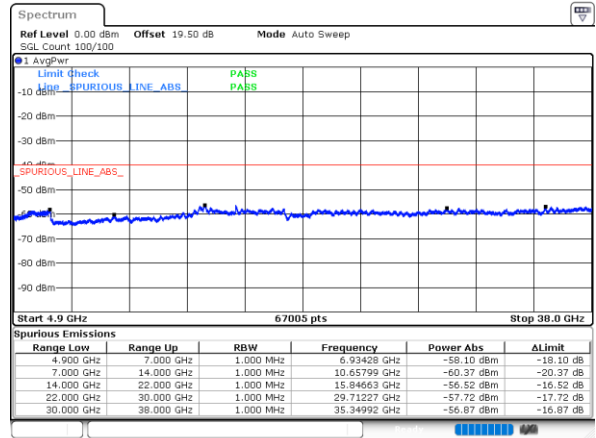
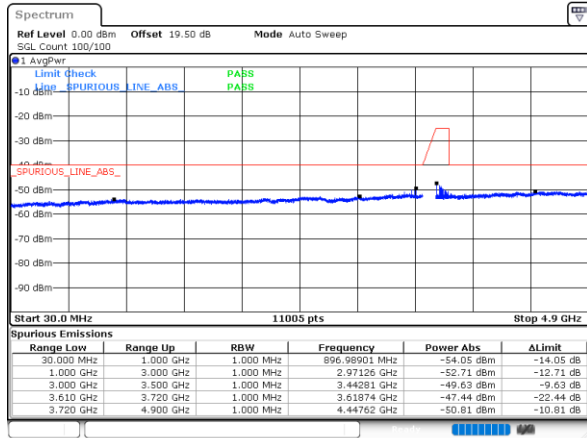
Highest Channel / QPSK



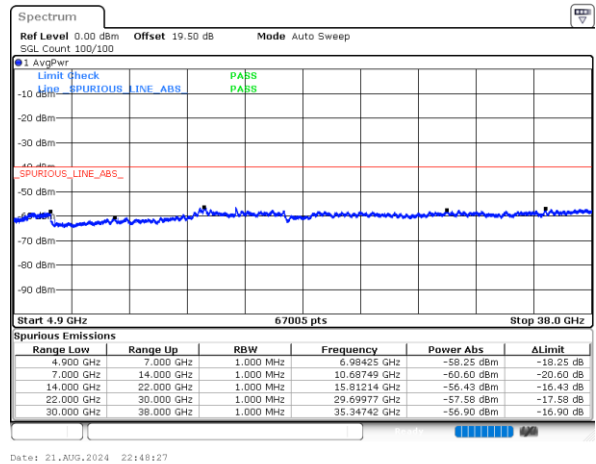
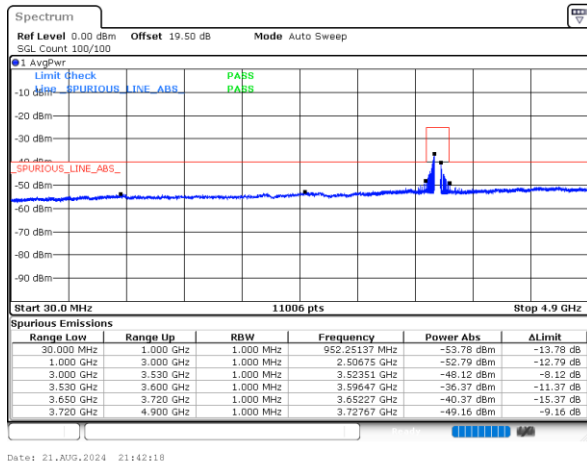


LTE Band 48 / 20MHz

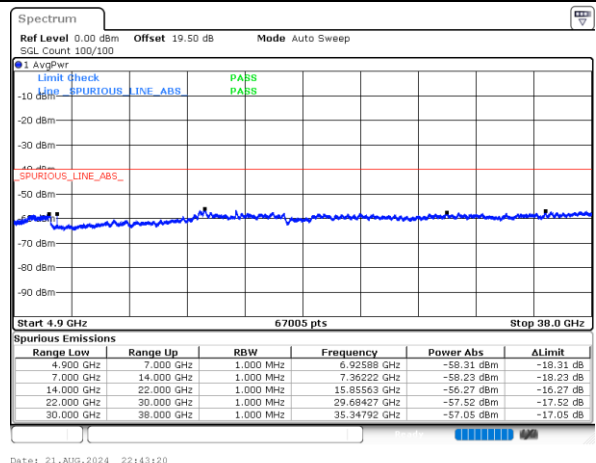
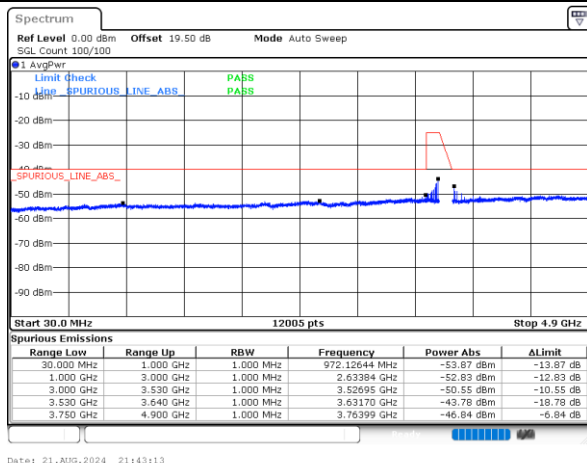
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK



Frequency Stability

Test Conditions		LTE Band 48 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0012	PASS
40	Normal Voltage	0.0004	
30	Normal Voltage	0.0015	
20(Ref.)	Normal Voltage	0.0003	
10	Normal Voltage	0.0005	
0	Normal Voltage	0.0023	
-10	Normal Voltage	0.0007	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0011	
20	Maximum Voltage	0.0025	
20	Normal Voltage	0.0027	
20	Battery End Point	0.0005	

Note:

1. Normal Voltage = 3.8 V. ; Battery End Point (ACLRP) = 3.6 V. ; Maximum Voltage = 4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	HuaCong Liang	Temperature :	22~25°C
		Relative Humidity :	48~52%

LTE Band 48 / 20MHz / QPSK / Ant.4									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	7232.00	-51.39	-40	-11.39	-60.07	-54.69	8.30	11.60	H
	10848.00	-49.70	-40	-9.70	-63.41	-51.22	10.48	12.00	H
	14464.00	-53.65	-40	-13.65	-69.87	-55.35	11.80	13.50	H
	7232.00	-50.38	-40	-10.38	-60.79	-53.68	8.30	11.60	V
	10848.00	-52.13	-40	-12.13	-67.46	-53.65	10.48	12.00	V
	14464.00	-54.14	-40	-14.14	-69.95	-55.84	11.80	13.50	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.